

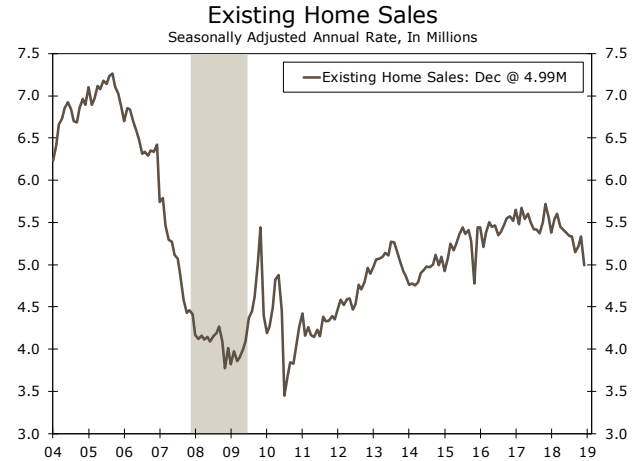
# Economics Group

## Weekly Economic & Financial Commentary

### U.S. Review

#### Home Sales End 2018 on a Low Note

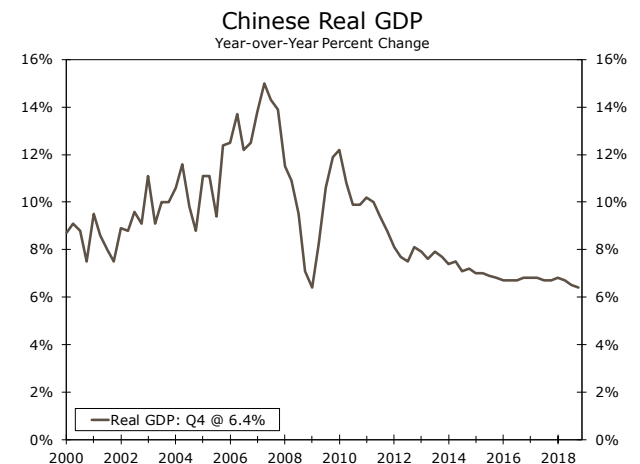
- Data for durable goods orders and new home sales during the month of December were postponed as a result of the continued partial government shutdown.
- Existing home sales fell 6.4% to a 4.99 million-unit pace, the slowest since November 2015.
- Initial unemployment claims for the week ending January 19 fell to 199,000, the lowest level since 1969.
- A 0.1% decline registered in the December leading economic index (LEI) was mostly the result of a drag from financial market volatility.



### Global Review

#### Economic Growth Cooling Off in Europe, China

- The Chinese economy grew 6.4% in Q4-2018 and 6.6% for the year, the slowest pace since 1990 as the country continues to battle structural and trade-related economic challenges.
- The European Central Bank (ECB) left monetary policy unchanged at its meeting this week, but acknowledged that the downside risks to growth are growing.
- The Bank of Japan (BoJ) also left monetary policy unchanged, while upgrading its growth forecasts and downgrading its inflation forecasts. Once again, reaching and sustaining the 2% inflation target seems a ways off.



Wells Fargo U.S. Economic Forecast													
	Actual				Forecast				Actual		Forecast		
	2018				2019				2016	2017	2018	2019	2020
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q					
Real Gross Domestic Product <sup>1</sup>	2.2	4.2	3.4	2.5	2.2	2.4	2.4	2.4	1.6	2.2	2.9	2.6	2.2
Personal Consumption	0.5	3.8	3.5	3.6	2.4	2.6	2.5	2.4	2.7	2.5	2.7	2.9	2.2
Inflation Indicators <sup>2</sup>													
PCE Deflator	1.9	2.2	2.2	1.8	1.5	1.6	1.8	2.1	1.1	1.8	2.0	1.8	2.2
Consumer Price Index	2.3	2.6	2.6	2.2	1.8	2.0	2.2	2.5	1.3	2.1	2.4	2.1	2.6
Industrial Production <sup>1</sup>	2.5	5.2	4.7	2.7	1.9	2.4	1.2	4.0	-1.9	1.6	3.9	2.7	2.6
Corporate Profits Before Taxes <sup>2</sup>	5.9	7.3	10.4	7.0	7.3	4.9	3.9	1.9	-1.1	3.2	7.7	4.4	-0.2
Trade Weighted Dollar Index <sup>3</sup>	86.3	90.0	90.1	91.9	91.3	90.8	89.8	88.8	91.5	91.1	89.0	90.1	86.4
Unemployment Rate	4.1	3.9	3.8	3.8	3.7	3.6	3.5	3.5	4.9	4.4	3.9	3.6	3.3
Housing Starts <sup>4</sup>	1.32	1.26	1.23	1.27	1.29	1.30	1.30	1.30	1.17	1.20	1.27	1.30	1.31
Quarter-End Interest Rates <sup>5</sup>													
Federal Funds Target Rate	1.75	2.00	2.25	2.50	2.50	2.75	2.75	3.00	0.52	1.13	1.96	2.75	2.94
Conventional Mortgage Rate	4.44	4.57	4.63	4.64	4.55	4.70	4.80	4.90	3.65	3.99	4.54	4.74	4.85
10 Year Note	2.74	2.85	3.05	2.69	2.95	3.10	3.20	3.30	1.84	2.33	2.91	3.14	3.25

Forecast as of: January 8, 2019  
<sup>1</sup> Compound Annual Growth Rate Quarter-over-Quarter  
<sup>2</sup> Year-over-Year Percentage Change  
<sup>3</sup> Federal Reserve Major Currency Index, 1973=100 - Quarter End  
<sup>4</sup> Millions of Units  
<sup>5</sup> Annual Numbers Represent Averages

Source: Federal Reserve Board, IHS Markit, U.S. Department of Commerce, U.S. Department of Labor, National Association of Realtors, Bloomberg LP and Wells Fargo Securities

### Inside

U.S. Review	2
U.S. Outlook	3
Global Review	4
Global Outlook	5
Point of View	6
Topic of the Week	7
Market Data	8

Together we'll go far



U.S. Review

Home Sales End 2018 on a Low Note

The partial federal government shutdown continued this week. The doors of many agencies that receive federal funding have now been closed for 35 days, the longest period in the nation’s history. As a consequence, reports for durable goods orders and new home sales during December were postponed.

While the Census Bureau was unable to provide data on new home sales, the National Association of Realtors (NAR) revealed that existing home sales faltered during December. Resales of single-family homes and co-ops/condos fell 6.4% to a 4.99 million-unit pace, the slowest since November 2015. The magnitude of the drop exceeded expectations, but a slowdown in sales was largely anticipated. Pending home sales, which measure contract signings and lead closings by four to eight weeks, weakened considerably in the second half of the year alongside noticeably higher mortgage rates.

December’s decline caps a year in which the housing market lost a great deal of momentum. Sales trended lower for much of the year, averaging a 5.34 million-unit pace in 2018, 3.6% lower than the average 5.53 million-unit pace posted in 2017.

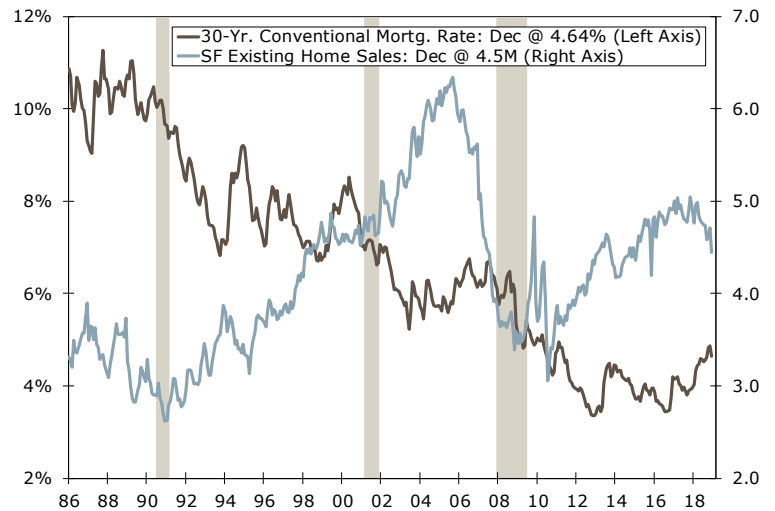
That being said, December’s report offered a few bright spots that point to housing market conditions improving in 2019. Inventories of homes on the market grew 6.2% year over year during December, the fifth consecutive increase. Extremely low inventory levels have been a driving force behind the rapid home price appreciation and an impediment to overall sales. As inventory levels improve, home prices should continue to ease. The NAR reported that the median existing single-family home price moderated 2.9% year-over-year, the slowest rise since 2012.

More modest home price appreciation amid higher mortgage rates should help support a gradual improvement in home sales moving forward. While we expect mortgage rates to trend upward over the course of the year, rates on 30-year conventional loans fell in December, which led to a noticeable increase in mortgage applications in early January, further evidence that home buying activity is set to improve.

A solid labor market should also be supportive of housing and so far there has been little evidence of any weakening on the horizon. Initial unemployment claims for the week ending January 19 fell to 199,000, the lowest level since 1969. While initial claims had ticked slightly higher toward the end of 2018, claims have fallen in each week so far in January. Initial claims for federal civilian workers, which are reported separately and lag by one week, increased to 25,419, which was to be expected given the roughly 800,000 furloughed federal workers.

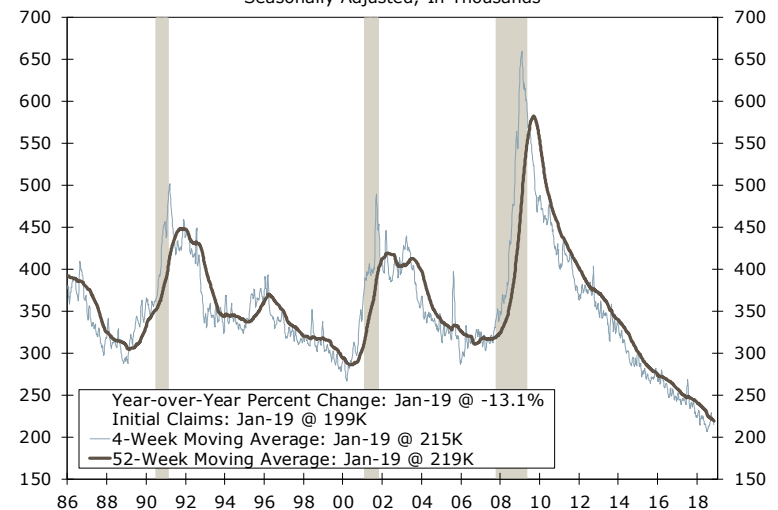
Meanwhile, the LEI continues to point to generally favorable economic conditions. The 0.1% decline registered in December was mostly the result of financial market volatility, which dragged down the overall index. A note of caution about reading too much into this report: due to the lack of new data arising from the shutdown, manufacturers’ new orders and building permits also had to be estimated by the Conference Board.

Mortgage Rate vs. Existing Single-Family Home Sales  
Percent, SAAR In Millions



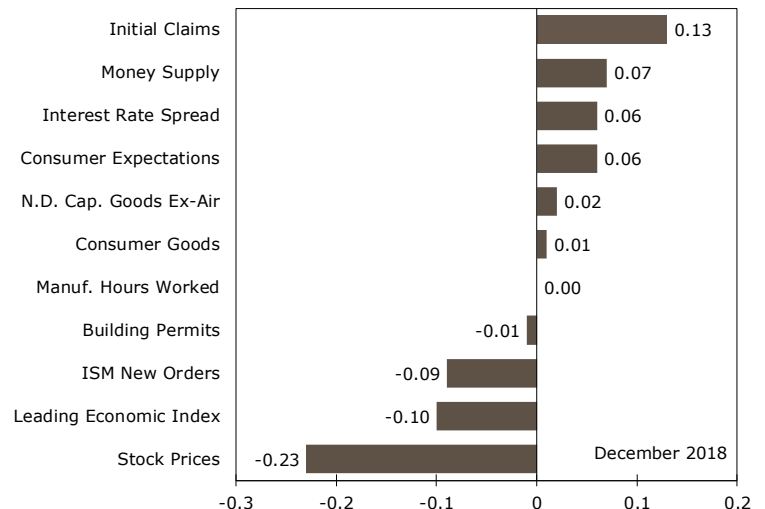
Initial Claims for Unemployment

Seasonally Adjusted, In Thousands



Contributions to Leading Economic Index

Points



Source: National Association of Realtors, U.S. Department of Labor, The Conference Board, Freddie Mac and Wells Fargo Securities

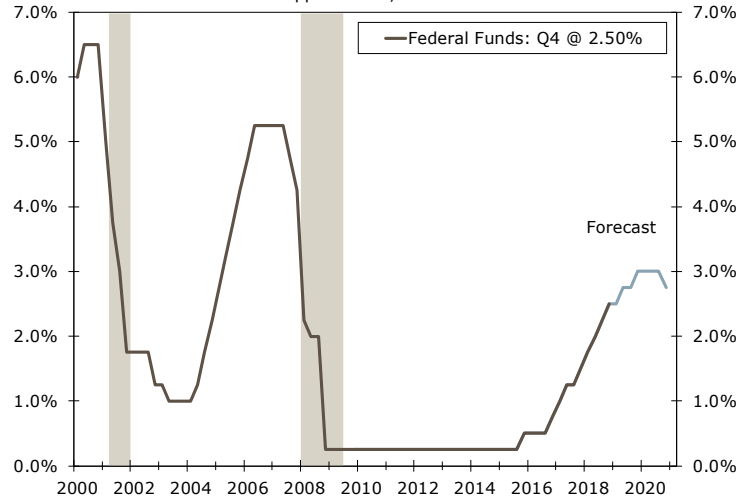
**FOMC Meeting • Wednesday**

It is widely expected that the FOMC will leave its policy rate and balance sheet program unchanged at its January meeting. We expect the statement and Chair’s press conference—now held after every meeting—to reflect a more cautious and uncertain outlook, however.

The committee is likely to acknowledge signs of slowing growth based on “available data”—a nod to the fact that the partial government shutdown, an added source of uncertainty, has delayed the release of some key data (including the first look at Q4 GDP, originally due Wednesday as well). Given the more conservative outlook, the statement may also remove the notion that “further gradual increases” in the fed funds rate may be necessary. Overall, we believe the FOMC will remain constructive on the U.S. outlook, but the more dovish tone would be supportive of our expectations for the FOMC to pause further rate hikes until late in the second quarter.

**Previous: 2.25-2.50%**      **Wells Fargo: 2.25-2.50%**  
**Consensus: 2.25-2.50%**

**Federal Funds Target Rate**  
Upper Bound, Percent



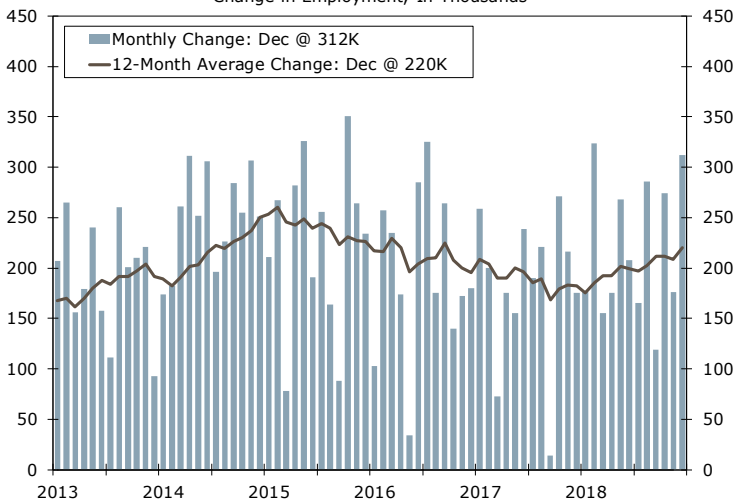
**Employment • Friday**

The exceptionally strong pace of hiring in December is unlikely to have persisted, and we expect hiring to slow below its recent trend. Government workers affected by the shutdown will still be counted as employed since back pay has already been approved, while the impact on contractors will probably be minimal since the survey was early in the shutdown. Yet other data, including job openings, hiring plans and PMI employment indexes, suggest more moderate hiring recently. Furloughed workers will be counted as unemployed, but after December’s jump and the release of annual adjustments to the household survey, we expect the jobless rate to tick down to 3.8%

Another strong print for payrolls and average hourly earnings would keep the FOMC on course to eventually raise rates twice more this year. A significant downside miss, however, would add support to the view that the FOMC needs to hold off on further rate increases longer than the committee currently anticipates.

**Previous: 312,000**      **Wells Fargo: 155,000**  
**Consensus: 160,000**

**U.S. Nonfarm Employment Change**  
Change in Employment, In Thousands



**ISM Manufacturing • Friday**

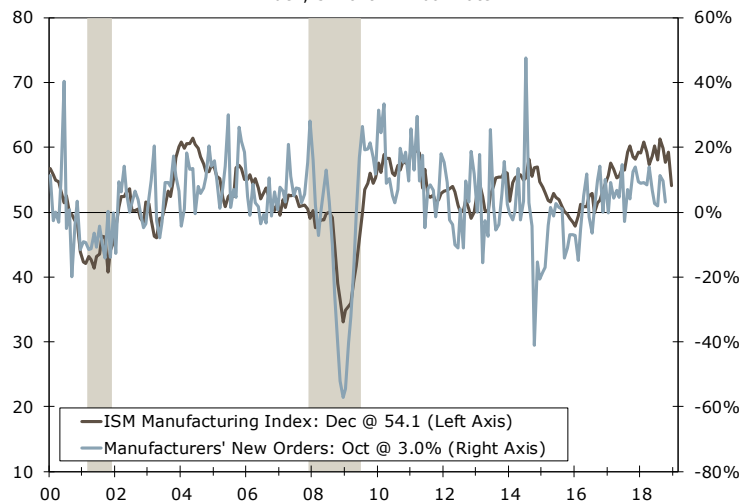
The ISM index tumbled 5.2 points in December, but the drop left the index well within expansion territory at 54.1. The two-year low puts the ISM more in line with hard data on the factory sector, which had been pointing to softer factory sector performance for some months now.

With global growth slowing and continued uncertainty surrounding trade, the manufacturing environment has deteriorated over the past year, but we expect the ISM index will be little changed in January. The Markit and regional PMIs released thus far for January were, on balance, little changed from their December readings.

The ISM will take on increased importance given “hard” data on factory orders is not being published due to the shutdown. Another significant miss to the downside would suggest that the global environment is weighing more heavily on growth and support a more cautious policy stance by the FOMC.

**Previous: 54.1**      **Wells Fargo: 54.0**  
**Consensus: 54.3**

**ISM New Orders & Manufacturers' New Orders**  
Index, 3-Month Annual Rate



Source: Federal Reserve Board, U.S. Department of Labor, U.S. Department of Commerce, ISM and Wells Fargo Securities

## Global Review

### Economic Growth Cooling Off in Europe, China

Chinese GDP for Q4-2018 kicked off the international data this week. The print was largely in line with consensus; real GDP growth was 6.4% year over year, down from 6.5% in Q3 (see chart on front page). For the year, the Chinese economy grew 6.6%, the slowest pace since 1990.

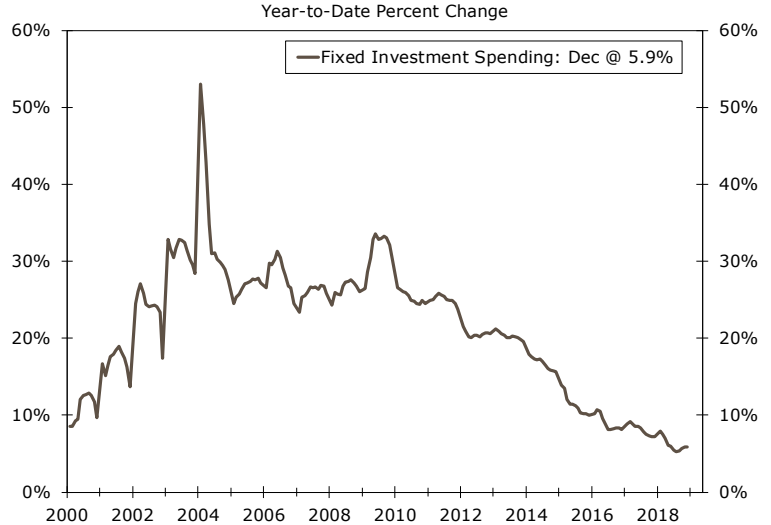
Chinese economic growth was slowing well before the trade dispute with the United States that accelerated in 2018. Working-age population growth has slowed significantly, investment spending growth has been on a secular decline for years (top chart), and the rapid pace of technological adaptation has abated, as is customary for emerging markets at this point in their development. The escalation of trade tensions and the enactment of several rounds of tariffs has likely contributed to a sharper slowdown. Chinese policymakers have done their best to combat this slowdown via monetary and fiscal stimulus, but without a clean resolution to the trade situation, a more marked slowdown is likely in store in 2019. At present, our forecast for real GDP growth in China in 2019 is 6.2%.

In Europe, the European Central Bank (ECB) left monetary policy unchanged against a backdrop of economic growth that has weakened considerably over the past few quarters. Real GDP growth in Q4-2018 appears to have been just as weak as it was in Q3 (see the Global Outlook section and the Topic of the Week), and the first couple data points for Q1 have not been much better. The flash Purchasing Manager Indices for January was weaker and are now teetering on the edge between expansion and contraction (middle chart). Amid these signs, the ECB acknowledged that the economic risks in the Eurozone are tilted to the downside. Forward guidance from the ECB had already signaled that rates would be on hold through at least the summer, so for now the central bank seems content to monitor the data for additional signs of sustained weakness.

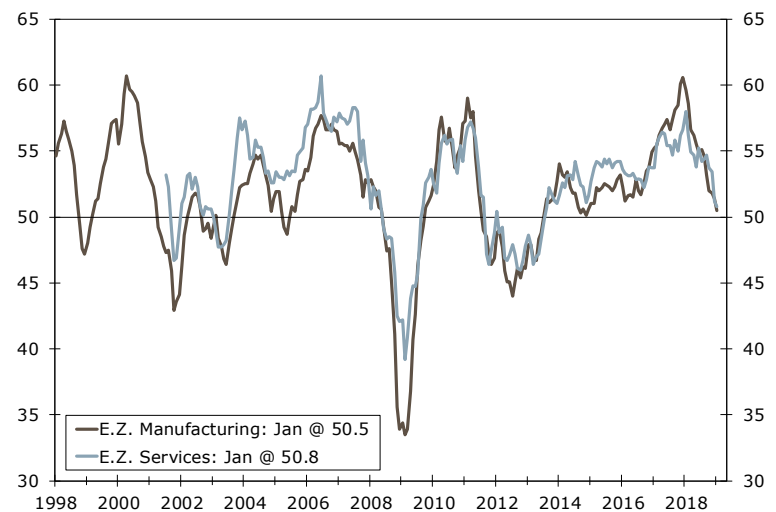
The Bank of Japan (BoJ) also met this past week and made no major changes to its still extraordinarily easy monetary policy regime. The central bank's median growth projection actually ticked up modestly for fiscal 2019 and fiscal 2020, but its inflation forecasts came down for those two years, a phenomenon that has become all too familiar for BoJ policymakers. Once again, reaching and sustaining the 2% inflation target seems a ways off. Developments in overseas economies and the effects of the consumption tax hike scheduled to take place in October 2019 were two of the primary risks to economic activity identified by the BoJ.

One encouraging development in the Japanese economy has been the robust pickup in the employment-population ratio. Since the start of 2013, the employment-population ratio for all persons aged 15-64 has risen more than 6 percentage points (bottom chart). This has been especially true for females; the female employment rate for the same age cohort has risen more than 8 percentage points over the same period. For a country that has very well-documented demographic challenges, a larger segment of the population working is a welcome development, at least as it relates to things like fiscal sustainability and faster aggregate economic growth.

### Chinese Fixed Investment Spending



### Eurozone Purchasing Managers' Indices



### Employment-Population Ratio in Japan



Source: IHS Markit, Bloomberg LP, OECD and Wells Fargo Securities

**Chinese PMIs • Wednesday/Saturday**

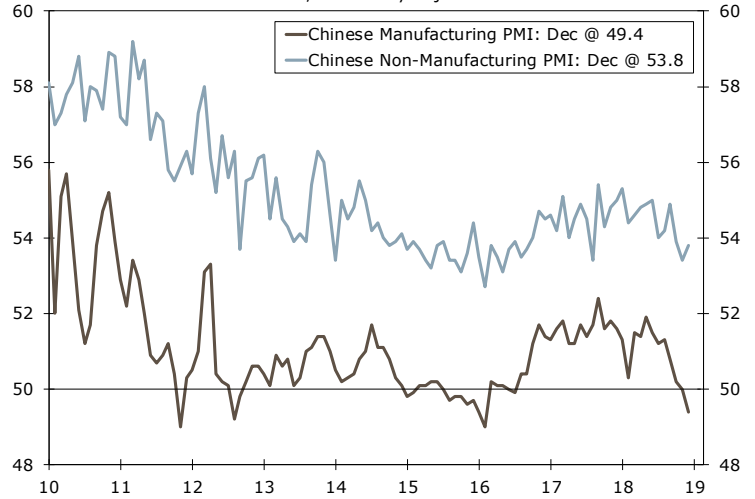
Both the “official” and Caixin Purchasing Manager Indices for China are released next week and will offer an initial look at economic activity in China to start the year. As was discussed in the international review, economic growth continued to slow in China in Q4, and the “official” manufacturing PMI was 49.4 in December, its first close below 50 since July 2016. In that report, the new orders component also slid below 50, and new export orders continued to fall, declining to 46.6. The privately-produced Caixin Manufacturing PMI did not fare much better, also falling below 50 to 49.7, the lowest reading since May 2017.

Some stabilization in the PMIs would be encouraging, though the approaching Chinese New Year could cause some near-term noise in the data. A continued decline, however, would signal the downside risks are rising for China ahead of the key March 1 trade deadline with the United States.

**Previous: 49.4**

**Consensus: 49.3 (Manufacturing)**

**China Purchasing Managers' Indices**  
Index, Seasonally Adjusted



**Mexico GDP • Wednesday**

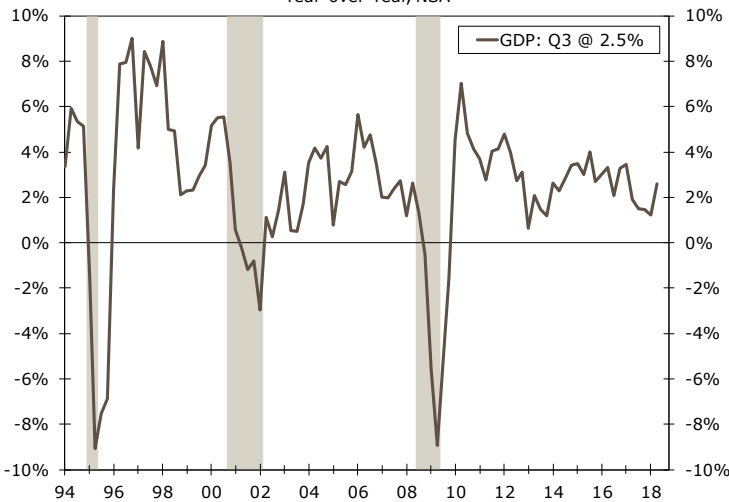
Real GDP growth surprised to the upside in Mexico in Q3, rising 2.5% year-over-year, roughly the same pace as the previous two quarters. The fourth quarter in Mexico was a volatile one, with a depreciating peso, a decelerating economy according to the central bank’s projections and two rate hikes from monetary policymakers.

Lower oil prices will likely do little to help spur the investment needed to revitalize Mexican oil production, and the stagnation in U.S. vehicle sales represents another challenge to the Mexican economy. The trade uncertainty from NAFTA renegotiation has receded somewhat now that the USMCA has been signed, but the congresses of the countries must still approve the deal. With the U.S. government currently experiencing a historically long shutdown, the prospects for passage have probably not improved of late. We look for real GDP growth of 2.3% in Mexico in 2019 as fiscal stimulus provides a boost, before growth cools to 1.9% in 2020.

**Previous: 2.5%**

**Consensus: 2.0% (Year-over-Year)**

**Mexico GDP**  
Year-over-Year, NSA



**Eurozone GDP • Thursday**

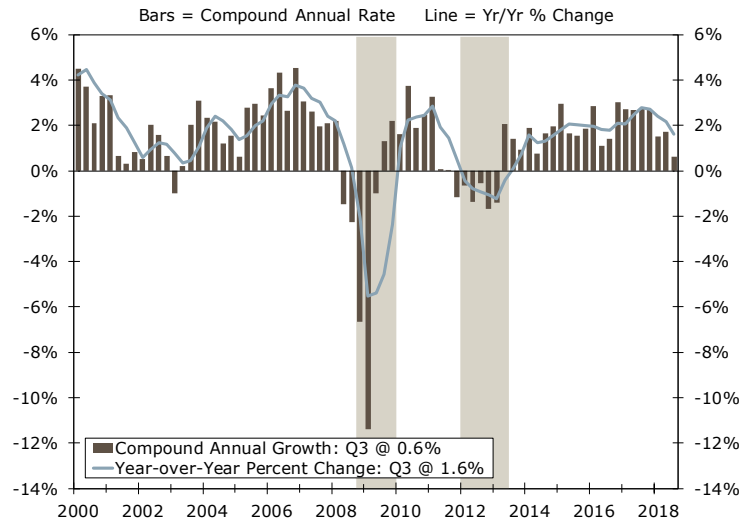
Real GDP growth in the Eurozone clearly slowed in Q3-2018, but some of the slowdown was likely due to temporary factors, such as a one-off decline in auto purchases related to some regulatory changes. Since then, however, the data have continued to show signs of weakness. As mentioned in the Global Review, the PMIs have continued to soften, and industrial production in November posted the sharpest year-over-year decline since 2012. With economic growth in Q4 likely slowing further from the 1.6% year-over-year pace registered in Q3, any further deterioration as Q1-2019 data start to become available would be an ominous sign.

The first Eurozone CPI print of 2019 is also released next Friday. Though GDP growth has weakened, core inflation has held steady, hovering within +/- 0.1 percentage point of 1.0% every month since May. With growth weakening, any sign that core inflation is slowing would be yet another hurdle to the first rate hike from the ECB.

**Previous: 0.2%**

**Consensus: 0.2% (Quarter-over-Quarter, Not Annualized)**

**Eurozone Real GDP**



Source: Bloomberg LP, IHS Markit and Wells Fargo Securities

**Interest Rate Watch**

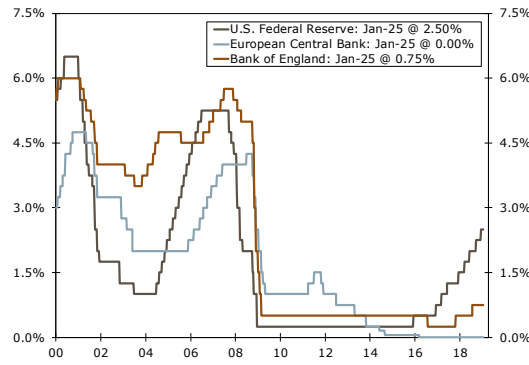
**Look to the ISM for Clues on the Fed**

The financial markets are still priced as if the Fed has completed raising interest rates for this cycle and currently expect the next Fed move to be a cut in short-term rates early next year. Official pronouncements by Fed officials and the most recent dot plot of expectations for the federal funds rate for the next few years remain consistent with two more hikes this year before the Fed shifts directions amid slower growth and the upcoming presidential election in 2020. That remains our forecast as well, with hikes penciled in for June and December.

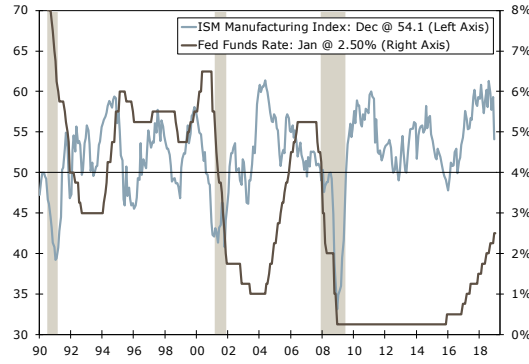
Next week's FOMC meeting will probably not provide a definitive answer as to whether or not the Fed is finished hiking rates this cycle. It will likely reinforce the notion that it has become more patient and data dependent in setting policy than simply striving to return interest rates to a 'neutral' level. With data more scarce amid the government shutdown, the Fed will scrutinize what data is still being reported for important clues on what is being missed. Momentum has clearly slowed in recent weeks and many forecasters have scaled back their expectations for first quarter real GDP growth. The loss of momentum is most evident in the factory sector and was clearly picked up by the ISM manufacturing survey, which plummeted 5.2 points in December to 54.1, marking its largest one-month drop since May 2011. Most regional manufacturing indices also weakened that month. Data for January will be reported on Friday and will likely show a modest drop. Data from regional Fed surveys were mixed this past month.

The Fed has a long history of closely scrutinizing the ISM manufacturing survey. While the factory sector accounts for a fairly small proportion of GDP, it still provides the bulk of the cyclical impulse to the broader economy. The Fed has rarely raised the federal funds rate when the ISM index is declining sharply and has typically halted tightening cycles once the index fell below the key 50 break-even level. Another big drop in the ISM would likely cause the Fed to take a longer pause and if the index falls definitively below 50, it will likely remain on hold until the factory sector rebounds in a meaningful and sustainable way.

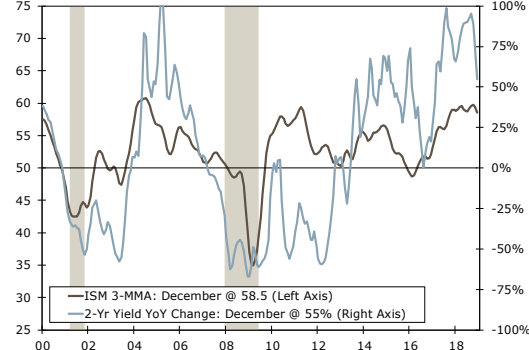
Central Bank Policy Rates



ISM Manufacturing vs. Fed Funds Rate



ISM Manufacturing vs. 2-Yr Treasury Yield



Source: Bloomberg LP, Federal Reserve Board, Institute for Supply Management and Wells Fargo Securities

**Credit Market Insights**

**A Watchful Eye on Consumer Credit**

Since the FOMC's last policy meeting in December, market implied probabilities of a rate hike this year have tumbled. This happened alongside a sharp sell-off in the stock market in December, and heightened fears that a recession was on the horizon. Even with a more recent dovish tone from the FOMC, worries of a downturn have not completely subsided, as the partial government shutdown has stretched into its fifth week and continues to cloud analysts' visibility of economic developments.

After hiking rates 100 bps in 2018, it is widely expected that the FOMC will leave its policy rate unchanged at its meeting next week (see the U.S. Outlook section for more detail). Since the FOMC began raising rates in late 2015, the cost of carrying consumer debt has steadily increased. Interest rates on credit cards are now at their highest rate since 2000. With only minimal increases in income growth over this cycle, could the increased cost of debt become a concern among households?

Total household debt as a percent of GDP remains relatively low, while the household financial obligations ratio remains near lows not seen since the 1980s. This should allow households to withstand increased borrowing costs. Elevated saving rates should also add cushion to consumer finances. But, with our assumption that the FOMC will eventually resume its gradual pace of tightening with two more rate hikes this year, the cost of debt will likely continue to rise, and could pressure consumers.

**Credit Market Data**

Mortgage Rates	Current	Week Ago	4 Weeks Ago	Year Ago
	30-Yr Fixed	4.45%	4.45%	4.51%
15-Yr Fixed	3.88%	3.88%	3.99%	3.62%
5/1 ARM	3.90%	3.87%	3.98%	3.52%
Bank Lending	Current Assets (Billions)	1-Week Change (SAAR)	4-Week Change (SAAR)	Year-Ago Change
	Commercial & Industrial	\$2,345.6	4.44%	23.34%
Revolving Home Equity	\$349.8	-8.48%	5.97%	-7.84%
Residential Mortgages	\$1,877.6	-5.22%	-4.36%	3.02%
Commercial Real Estate	\$2,191.0	0.00%	3.29%	4.68%
Consumer	\$1,497.6	8.96%	2.01%	4.78%

Mortgage Rates Data as of 01/25/19, Bank Lending Data as of 01/09/19

Source: Freddie Mac, Federal Reserve Board and Wells Fargo Securities

## Topic of the Week

### Is the Eurozone Economy Close to Recession?

The recent slowdown in Eurozone economic growth has sparked fears that the bloc may be approaching, or already in, a recession. Forecasting recessions is a notoriously difficult task, and even defining what marks a recession is not always straightforward. In a recent [special report](#), we identify a couple simple rules of thumb that may allow readers to monitor the economic data for signs of an imminent recession in the Eurozone. While some recent indicator readings are worrying, we do not believe the data at present suggest a Eurozone recession is either imminent or inevitable.

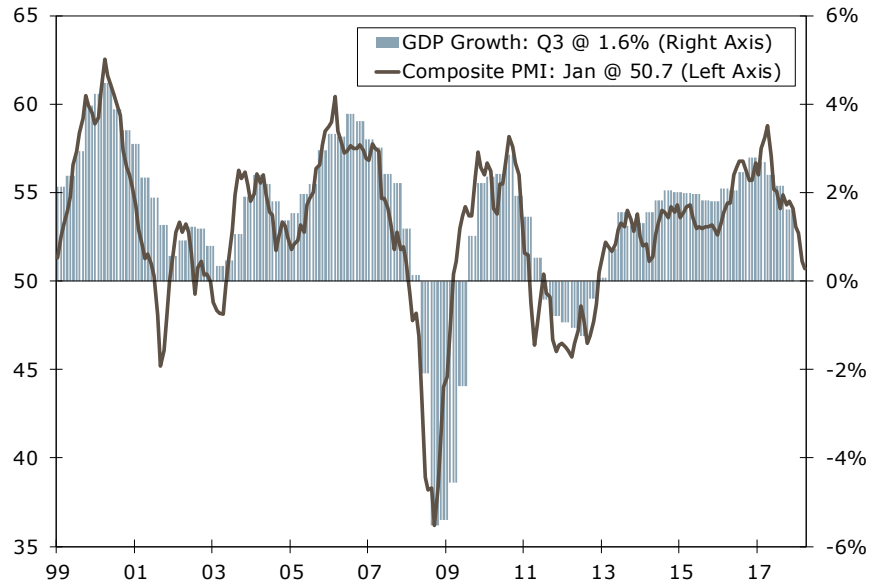
In our view, GDP growth would need to range between 0.1% to 0.2% (or slower) per quarter for three or more quarters AND the composite PMI would have to remain at or below the 51.0 level for several months before we would become seriously concerned that the Eurozone is either imminently approaching, or in, economic recession. The historical results of using this approach are illustrated in the table to the right.

What then are the implications for the current episode? Like ECB President Draghi, we do not (yet) believe these important economic indicators are signaling an approaching Eurozone recession. GDP growth has averaged 0.33% per quarter over the past three quarters, a pace that has been consistent with the Eurozone avoiding recession in the past (Q3-2004 to Q1-2005 and Q2-2001 to Q1-2002). The January PMI, however, dipped just below 51 to 50.7, though this was admittedly the preliminary “flash” estimate.

Pulling it all together, it is clear to us that the Eurozone economy has slowed materially over the past year. The data do not yet indicate to us that a recession is inevitable or imminent, but both the level readings and the directional trends suggest heightened monitoring of the data is warranted. If Q4-2018 real GDP growth is especially weak next week, a Q1-2019 rebound will become even more important to stave off a recession and keep the ECB on track to tighten rather than ease as its next move.

### Eurozone Composite PMI vs. GDP Growth

PMI=Index, GDP Growth=Yr/Yr Percent Change



### Signals of Economy in Recession

Month	Recession Signal		Economic Outcome
	PMI	GDP	
Oct. 2001	Yes	No	No recession
<b>Jun. 2003</b>	<b>Yes</b>	<b>Yes</b>	<b>No recession</b>
Nov. 2004	No	No	No recession
Feb. 2009	Yes	Yes	Recession
Oct. 2012	Yes	Yes	Recession
Nov. 2014	No	No	No recession
Sep. 2016	No	No	No recession

Source: Datastream and Wells Fargo Securities

### Subscription Info

Wells Fargo's *Weekly Economic & Financial Commentary* is distributed to subscribers each Friday afternoon by e-mail.

To subscribe please visit: [www.wellsfargo.com/economicsemail](http://www.wellsfargo.com/economicsemail)

The *Weekly Economic & Financial Commentary* is available via the Internet at [www.wellsfargo.com/economics](http://www.wellsfargo.com/economics)

Via The Bloomberg Professional Service at WFRE.

And for those with permission at [www.wellsfargoresearch.com](http://www.wellsfargoresearch.com)

## Market Data ♦ Mid-Day Friday

## U.S. Interest Rates

	Friday 1/25/2019	1 Week Ago	1 Year Ago
1-Month LIBOR	2.50	2.51	1.57
3-Month LIBOR	2.75	2.76	1.76
3-Month T-Bill	2.38	2.39	1.42
1-Year Treasury	2.52	2.53	1.92
2-Year Treasury	2.58	2.61	2.08
5-Year Treasury	2.58	2.62	2.42
10-Year Treasury	2.74	2.78	2.62
30-Year Treasury	3.05	3.10	2.88
Bond Buyer Index	4.23	4.19	3.59

## Foreign Exchange Rates

	Friday 1/25/2019	1 Week Ago	1 Year Ago
Euro (\$/€)	1.141	1.136	1.240
British Pound (\$/£)	1.317	1.287	1.414
British Pound (£/€)	0.866	0.883	0.876
Japanese Yen (¥/\$)	109.590	109.780	109.410
Canadian Dollar (C\$/\\$)	1.326	1.326	1.238
Swiss Franc (CHF/\$)	0.993	0.995	0.941
Australian Dollar (US\$/A\$)	0.717	0.717	0.803
Mexican Peso (MXN/\$)	18.930	19.098	18.604
Chinese Yuan (CNY/\$)	6.748	6.778	6.326
Indian Rupee (INR/\$)	71.175	71.188	63.543
Brazilian Real (BRL/\$)	3.754	3.754	3.133
U.S. Dollar Index	95.879	96.336	89.391

Source: Bloomberg LP and Wells Fargo Securities

## Foreign Interest Rates

	Friday 1/25/2019	1 Week Ago	1 Year Ago
3-Month Euro LIBOR	-0.33	-0.34	-0.38
3-Month Sterling LIBOR	0.92	0.93	0.53
3-Month Canada Banker's Acceptance	2.21	2.25	1.67
3-Month Yen LIBOR	-0.09	-0.08	-0.04
2-Year German	-0.58	-0.58	-0.57
2-Year U.K.	0.80	0.81	0.60
2-Year Canadian	1.87	1.95	1.81
2-Year Japanese	-0.17	-0.17	-0.13
10-Year German	0.19	0.26	0.61
10-Year U.K.	1.30	1.35	1.41
10-Year Canadian	1.97	2.04	2.24
10-Year Japanese	0.00	0.02	0.09

## Commodity Prices

	Friday 1/25/2019	1 Week Ago	1 Year Ago
WTI Crude (\$/Barrel)	53.56	52.07	65.51
Brent Crude (\$/Barrel)	61.46	62.70	70.42
Gold (\$/Ounce)	1299.32	1281.75	1348.01
Hot-Rolled Steel (\$/S.Ton)	715.00	718.00	679.00
Copper (¢/Pound)	271.75	268.00	321.65
Soybeans (\$/Bushel)	8.70	8.62	9.72
Natural Gas (\$/MMBTU)	3.15	3.41	3.45
Nickel (\$/Metric Ton)	11,707	11,546	13,540
CRB Spot Inds.	476.62	481.81	524.60

## Next Week's Economic Calendar

	Monday 28	Tuesday 29	Wednesday 30	Thursday 31	Friday 1	
U.S. Data		<b>S&amp;P CoreLogic Home Prices (YoY)</b> October 5.5%	<b>GDP* (QoQ Annualized)</b> Q3 3.4% Q4 2.5% (W)	<b>Employment Cost Index (QoQ)</b> Q3 0.8% Q4 0.7% (W)	<b>Nonfarm Employment</b> December 312K January 155K (W)	
		<b>Consumer Confidence</b> December 128.1 January 123.9 (W)	<b>FOMC Decision</b> Previous 2.50% January 2.50% (W)	<b>Personal Spending* (MoM)</b> November 0.4% December 0.4% (W)	<b>ISM Manufacturing</b> December 54.1 January 54.0 (W)	
	Global Data		<b>Japan</b> <b>Retail Sales (MoM)</b> November -1.1%	<b>China</b> <b>Manufacturing PMI</b> December 49.4	<b>Eurozone</b> <b>GDP (QoQ)</b> Q3 0.2%	<b>United Kingdom</b> <b>Manufacturing PMI</b> December 54.2
				<b>Mexico</b> <b>GDP (YoY)</b> Q3 2.5%	<b>Canada</b> <b>GDP (YoY)</b> October 2.2%	<b>Brazil</b> <b>Industrial Production (YoY)</b> November -0.9%

Note: (W) = Wells Fargo Estimate (C) = Consensus Estimate \* = Data Possibly Postponed Due to Government Shutdown

Source: Bloomberg LP and Wells Fargo Securities



## Wells Fargo Securities Economics Group

Jay H. Bryson, Ph.D.	Global Economist	(704) 410-3274	jay.bryson@wellsfargo.com
Mark Vitner	Senior Economist	(704) 410-3277	mark.vitner@wellsfargo.com
Sam Bullard	Senior Economist	(704) 410-3280	sam.bullard@wellsfargo.com
Nick Bennenbroek	Macro Strategist	(212) 214-5636	nicholas.bennenbroek@wellsfargo.com
Azhar Iqbal	Econometrician	(212) 214-2029	azhar.iqbal@wellsfargo.com
Tim Quinlan	Senior Economist	(704) 410-3283	tim.quinlan@wellsfargo.com
Sarah House	Senior Economist	(704) 410-3282	sarah.house@wellsfargo.com
Charlie Dougherty	Economist	(704) 410-6542	charles.dougherty@wellsfargo.com
Erik Nelson	Macro Strategist	(212) 214-5652	erik.f.nelson@wellsfargo.com
Michael Pugliese	Economist	(212) 214-5058	michael.d.pugliese@wellsfargo.com
Brendan McKenna	Macro Strategist	(212) 214-5637	brendan.mckenna@wellsfargo.com
Abigail Kinnaman	Economic Analyst	(704) 410-1570	abigail.kinnaman@wellsfargo.com
Shannon Seery	Economic Analyst	(704) 410-1681	shannon.seery@wellsfargo.com
Matthew Honnold	Economic Analyst	(704) 410-3059	matthew.honnold@wellsfargo.com
Donna LaFleur	Executive Assistant	(704) 410-3279	donna.lafleur@wellsfargo.com
Dawne Howes	Administrative Assistant	(704) 410-3272	dawne.howes@wellsfargo.com

Wells Fargo Securities Economics Group publications are produced by Wells Fargo Securities, LLC, a U.S. broker-dealer registered with the U.S. Securities and Exchange Commission, the Financial Industry Regulatory Authority, and the Securities Investor Protection Corp. Wells Fargo Securities, LLC, distributes these publications directly and through subsidiaries including, but not limited to, Wells Fargo & Company, Wells Fargo Bank N.A., Wells Fargo Clearing Services, LLC, Wells Fargo Securities International Limited, Wells Fargo Securities Canada, Ltd., Wells Fargo Securities Asia Limited and Wells Fargo Securities (Japan) Co. Limited. Wells Fargo Securities, LLC is registered with the Commodities Futures Trading Commission as a futures commission merchant and is a member in good standing of the National Futures Association. Wells Fargo Bank, N.A. is registered with the Commodities Futures Trading Commission as a swap dealer and is a member in good standing of the National Futures Association. Wells Fargo Securities, LLC and Wells Fargo Bank, N.A. are generally engaged in the trading of futures and derivative products, any of which may be discussed within this publication. Wells Fargo Securities, LLC does not compensate its research analysts based on specific investment banking transactions. Wells Fargo Securities, LLC's research analysts receive compensation that is based upon and impacted by the overall profitability and revenue of the firm which includes, but is not limited to investment banking revenue. The information and opinions herein are for general information use only. Wells Fargo Securities, LLC does not guarantee their accuracy or completeness, nor does Wells Fargo Securities, LLC assume any liability for any loss that may result from the reliance by any person upon any such information or opinions. Such information and opinions are subject to change without notice, are for general information only and are not intended as an offer or solicitation with respect to the purchase or sales of any security or as personalized investment advice. Wells Fargo Securities, LLC is a separate legal entity and distinct from affiliated banks and is a wholly owned subsidiary of Wells Fargo & Company © 2019 Wells Fargo Securities, LLC.

### Important Information for Non-U.S. Recipients

For recipients in the EEA, this report is distributed by Wells Fargo Securities International Limited ("WFSIL"). WFSIL is a U.K. incorporated investment firm authorized and regulated by the Financial Conduct Authority. For the purposes of Section 21 of the UK Financial Services and Markets Act 2000 ("the Act"), the content of this report has been approved by WFSIL, an authorized person under the Act. WFSIL does not deal with retail clients as defined in the Directive 2014/65/EU ("MiFID2"). The FCA rules made under the Financial Services and Markets Act 2000 for the protection of retail clients will therefore not apply, nor will the Financial Services Compensation Scheme be available. This report is not intended for, and should not be relied upon by, retail clients.

SECURITIES: NOT FDIC-INSURED/NOT BANK-GUARANTEED/MAY LOSE VALUE